135 mm

149 mm

IT IMAZALIL

MAPP 14166

contains 100 g/l (9,26% w/w) imazalil in a soluble concentrate

IRRITANT

A systemic and protectant fungicide for protection against diseases of seed and ware potatoes.

IRRITATING TO EYES
MAY CAUSE SENSITISATION BY SKIN CONTACT

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of this product at work.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crop	Maximum individual dose of product	Maximum number of applications	Latest time of application
Potato (seed)	100 ml/tonne tubers	Two per batch	Post-harvest but prior to chitting.
Potato (excluding seed)	100 ml/tonne tubers	One per batch	Post-harvest

Other specific restrictions

1. This product must only be applied by conventional canopied, hydraulic or spinning disc potato spraying equipment mounted over a rolling conveyor.
2. The use of this product on ware potatoes is subject to discharges of imazalil into receiving waters from plants washing treated potatoes being within emission limits set by the UK monitoring authority.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

SAFETY PRECAUTIONS

Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate, during application and when handling treated tubers and contaminated surfaces during treatment and storage operations.
WEAR SUITABLE PROTECTIVE GLOVES AND EYE PROTECTION (GOGGLES) when handling treated tubers and contaminated equipment during planting operations.
However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
Wear suitable gloves and eye/face protection.
AVOID CONTACT WITH SKIN.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.
TAKE OFF IMMEDIATELY all contaminated clothing.
WHEN USING, DO NOT EAT, DRINK OR SMOKE.

DO NOT BREATHE SPRAY.
WASH HANDS AND EXPOSED SKIN, before eating, drinking or smoking and after work.
DO NOT HANDLE seed unnecessarily.

Environmental protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container. Avoid release to the environment. Refer to special instructions/safety data sheet.

Consumer protection

DO NOT USE TREATED SEED as food or feed.
DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
KEEP OUT OF REACH OF CHILDREN.
DO NOT RE-USE CONTAINER for any purpose.
This material and its container must be disposed of in a safe way.
Do not empty into drains.
WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank, and dispose of safely.
KEEP TREATED SEED SECURE from people, domestic stock and pets and wildlife at all times during storage and use.

To avoid risks to man and the environment, comply with the instructions for use.

Safety data sheet available for professional user on request. 06/09

This product is approved under the Plant Protection Regulations 1995.

INTER-TRADE AALBORG A/S
Halsvej 139
9310 Vodskov
Denmark
Tel: +45 98 93 89 77

Contents: **5 litres**
PROTECT FROM FROST
SHAKE THOROUGHLY BEFORE OPENING
Batch No:

147 mm

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

IT Imazalil is a soluble concentrate for spray application to harvested potatoes to give improved storage properties and reduction of seed-borne diseases affecting tubers intended for planting (seed) or for the reduction of storage diseases affecting tubers intended for consumption (ware) or processing. All seed potatoes, both early and main crops, may be treated.

IT Imazalil is active against the following diseases when applied shortly after lifting:

Dry rot *(Fusarium spp)* Gangrene *(Phoma exigua var. foveata)*
Silver scurf *(Helminthosporium solani)* Skin spot *(Polyscytalum pustulans)*

The use of IT Imazalil should always be allied with good management to minimise the disease risks. In addition to varietal choice, proper handling, store hygiene, curing and storage are important factors in keeping tuber borne disease to minimum levels.

POTATOES DESTINED FOR SEED

Ideally treat shortly after harvest and again on removal from store prior to chitting or planting, if unchitted.

After harvest treatment

Apply to clean, dry tubers as soon as practicable after lifting, preferably within 10 days of lifting, prior to storage or at first grading. Apply as a directed FINE spray, whilst tubers are individually spaced on a roller conveyor. Efficacy will be reduced if the tubers are dirty or unduly wet. Protection is unlikely to be afforded against existing disease following earlier physical damage.

On removal from store

Apply to clean, dry tubers, on removal from storage prior to chitting or preplanting of unchitted tubers, as a directed FINE spray, whilst tubers are individually spaced on a roller conveyor. Do not treat tubers when chitted.

Cautions

- The treatment may temporarily delay the sprouting of some eyes.
- Established wound disease may not be controlled or reduced.
- If the pre-chitting treatment is applied as the sole treatment, this will reduce the incidence of silver scurf and skin spot only in the forthcoming crop.
- Although the seed-borne source of disease is reduced by IT Imazalil, the risk of disease arising in the field from soil-borne spores to affect the growing crop and daughter tubers remains.

POTATOES DESTINED FOR CONSUMPTION

Apply to clean, dry tubers as soon as practicable after lifting, preferably within 10 days of lifting, prior to storage or at first grading. Apply as a directed FINE spray, whilst tubers are individually spaced on a roller conveyor. Efficacy will be reduced if the tubers are dirty or unduly wet. Protection is unlikely to be afforded against existing disease following earlier physical damage.

RATE AND METHOD OF APPLICATION

100 ml product per tonne in 1-2 litres water through conventional hydraulic nozzles or in up to 2 litres water by rotary disc sprayer. The higher volume of water will normally give the best spray cover. Provide regular agitation of the spray mixture.

This product must only be applied by conventional canopied, hydraulic or spinning disc potato spraying equipment mounted over a rolling conveyor.

- Calibrate the equipment before use and at intervals thereafter especially if the tuber size changes; match the throughput of tubers to the flow of the spray, for example, check the volume of spray delivered in 30 seconds against the weight of potatoes passing over the table in 30 seconds.
- Clean the roller table when necessary to maintain efficiency of operation.

SPRAY MIXING

Shake the product container thoroughly before opening. Add the required quantity of IT Imazalil to the spray tank already half-filled with water and under agitation. Top up the spray tank with water to the required level and keep under agitation before, during and until completion of spraying. Thoroughly clean all equipment after use.

PROCESSED CROPS

Processors should be consulted before treating crops destined for processing.

PRECAUTIONS: TREATED SEED POTATOES

Treated seed potatoes must be stored and supplied in suitable containers or bags bearing the following description and precautions, either by printing onto the container or bag or onto suitable labels attached to the bag or container:

This seed has been treated with IT Imazalil, contains imazalil.

PRECAUTIONS

WEAR SUITABLE PROTECTIVE GLOVES AND EYE PROTECTION (GOGGLES) when handling treated tubers and contaminated equipment during planting operations.
DO NOT HANDLE seed unnecessarily.
DO NOT USE TREATED SEED as food or feed.
KEEP TREATED SEED SECURE from people, domestic stock and pets and wildlife at all times during storage and use.
BURY OR REMOVE SPILLAGES.
HARMFUL TO GAME AND WILDLIFE. Treated seed should not be left on the soil surface. Bury spillages.
DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.
WASH HANDS AND EXPOSED SKIN, before eating, drinking or smoking and after work.

INTER-TRADE AALBORG A/S, Halsvej 139, 9310 Vodskov, Denmark, Tel: +45 98 93 89 77

Conditions of Supply

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or of the weather conditions before, during and after application, which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded, and no responsibility will be accepted by us or resellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

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146 mm

Safety data sheet

1. Identification of the substance/preparation and of the company/undertaking **IT Imazalil**

MAPP: 14166
Revision: 22-06-2009/ HSV
Replaces: 09-09-2008

Product use: Fungicide for the protection against diseases of seed and ware potatoes.

Supplier:
INTER-TRADE AALBORG A/S
Halsvej 139
DK-9310 Vodskov, Denmark
Tel: +45 9825 7700 Fax: +45 9825 7710
Emergency telephone number: +45 98 25 77 00
Email: inter@mail.tele.dk

2. Hazards identification

Irritating to the eyes. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%	
252-615-0	35554-44-0	1-[2-(allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole (imazalil, 100 g/l)	Xn;R20/22 Xi;R41 N;R50/53	9.26	
231-639-5	7664-93-9	Sulphuric acid	C;R35	1-5	
200-338-0	57-55-6	Propane-1,2-diol	-	1-5	13

13) The substance has a national exposure limit.

Please see section 16 for the full text of the R-phrases

- 2 -

145 mm

4. First aid measures

Inhalation: Seek fresh air. Seek medical advice if symptoms persist.
Ingestion: Wash out mouth thoroughly and drink plenty of water. Seek medical advice if symptoms persist.
Skin: Immediately remove contaminated clothing. Wash the skin thoroughly with water and continue washing for a long time. Seek medical advice if symptoms persist.
Eyes: Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
Other information: When obtaining medical advice, show the safety data sheet or label. Symptoms: See section 11.

5. Fire-fighting measures

The product is not directly flammable. Avoid inhalation of vapour and flue gases – seek fresh air.

6. Accidental release measures

Use the same personal protective equipment as stated in section 8. Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. See section 13 for instructions on disposal. Prevent spillage from entering drains and/or surface water.

7. Handling and storage

Handling: See section 8 for information about precautions for use and personal protective equipment.
Storage: Keep out of reach of children. Do not store together with food, drink and animal feeding stuffs. Keep in tightly closed, original packaging. Store frost-free.

8. Exposure controls/ personal protection

Precautions for use: All work must be carried out under well-ventilated conditions. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work.
Respiratory protection: Preparation: Not required.
Application: Wear respiratory protective equipment with filter A2P2.
Gloves and protective clothing: Preparation/application: Wear protective clothing (coveralls) and protective gloves made of nitrile rubber.
Eye protection: Preparation/application: Wear face protection (faceshield).
Occupational exposure limits

Ingredients	Exposure limit	Remarks
Propane-1,2-diol	Total (vapour and particulates): 150 (8h), - (15m), particulates: - (8h), - (15m) ppm Total (vapour and particulates): 474 (8h), - (15m), particulates: 10 (8h), - (15m) mg/m3	-

Control methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

9. Physical and chemical properties

Appearance: Fluid

10. Stability and reactivity

The product is stable when used in accordance with the supplier's directions.

11. Toxicological information

Acute
Inhalation: Inhalation of spray mist may cause irritation to the upper airways.
Ingestion: Ingestion may cause discomfort.
Skin contact: May irritate the skin – may cause reddening.
Eye contact: Irritating to eyes. Causes a burning sensation and tearing.
Risk of sensitization: May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing.
Long-term effects: None known.

12. Ecological information

Avoid discharge to drain or surface water.
Ecotoxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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145 mm

13. Disposal considerations

This material and its container must be disposed in a safe way. Wash out container thoroughly, empty washings into spray tank, and dispose of safely. Do not re-use container for any purpose.
EWC code: 02 01 08 agrochemical waste containing dangerous substances.
Absorbing solution polluted with the product:
EWC code: 15 02 02 Absorbing solution, filter materials, wiping cloths and protection clothes polluted with dangerous goods.

14. Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

15. Regulatory information

Hazard designation: Irritant
Hazard symbols: Xi
Contains: Imazalil (100 g/l)
R-phrases:
Irritating to the eyes. (R36)
May cause sensitisation by skin contact. (R43)
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R52/53)
S-phrases:
Do not breathe spray. (S23)
Avoid contact with the skin. (S24)
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S26)
Wear suitable gloves and eye/face protection. (S37/39)
This material and/or its container must be disposed of as hazardous waste. (S60)
Other labelling:
To avoid risks to man and the environment, comply with the instructions for use.
Read all other safety precautions and directions for use before use.
Safety data sheet available for professional user on request.
Chemical safety assessment:
Chemical safety assessment has not been performed.

Irritant

16. Other information

Restrictions on use: For use only as an agricultural fungicide.
This product must only be applied by conventional canopied, hydraulic or spinning disc potato spraying equipment mounted over a rolling conveyor.
Training requirement: No special training is required, but a thorough knowledge of this material data safety sheet should be a prerequisite condition.
Line of business: Agriculture
Packaging: 5 litres
Sources used:
ADR 2009 edition and IMDG 2008 edition.
SI 2002/1689 The chemicals (Hazard Information and Packaging for Supply) Regulations 2002, last amended by regulation 1907/2006/EC.
Approved Supply List (seventh edition): Information approved for the classification and labelling of substances and preparations dangerous for supply. Chemicals (Hazard Information and Packaging for Supply) Regulations 2002, 29./30./31
EH40/2005 Workplace exposure limits incl. supplement from October 2007.
SI 2005/895 The List of Wastes (England) Regulations 2005.
Other information:
This safety data sheet was prepared from information provided by the supplier about physical/chemical properties and all ingredients in the product.
Full text of the R-phrases that are stated in section 3.
R20/22 Harmful by inhalation and if swallowed.
R35 Causes severe burns.
R41 Risk of serious damage to eyes.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Amendments have been made in the following sections:
1, 3, 16.

Chemtox A/S, Pakhustorvet 4, 6000 Kolding Tlf.: +45 75508811, Fax: +45 75508810, E-mail: Chemtox@Chemtox.dk

- 4 -

146 mm

CCL Label A/S
Telefon 8710 8710
Telefax 8710 8760

OB-nr.: 30905419 Godkendt ☐

Deres nr.: Godkendt med rettelse ☐

Dato: 2009.06.30 Ny korrektur fremsendes ☐

Etiket str.: 135x175 mm

Farver: Sort + P293 + P021

Korrektur nr.: 3

Sign.

147 mm

135 mm

Open here

IT IMAZALIL

MAPP 14166

contains 100 g/l (9,26% w/w) imazalil in a soluble concentrate

IRRITANT

A systemic and protectant fungicide for protection against diseases of seed and ware potatoes.

IRRITATING TO EYES
MAY CAUSE SENSITISATION BY SKIN CONTACT

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crop	Maximum individual dose of product	Maximum number of applications	Latest time of application
Potato (seed)	100 ml/tonne tubers	Two per batch	Post-harvest but prior to chitting.
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Other specific restrictions

1. This product must only be applied by conventional canopied, hydraulic or spinning disc potato spraying equipment mounted over a rolling conveyor.
2. The use of this product on ware potatoes is subject to discharges of imazalil into receiving waters from plants washing treated potatoes being within emission limits set by the UK monitoring authority.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

SAFETY PRECAUTIONS

Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate, during application and when handling treated tubers and contaminated surfaces during treatment and storage operations.
WEAR SUITABLE PROTECTIVE GLOVES AND EYE PROTECTION (GOGGLES) when handling treated tubers and contaminated equipment during planting operations.
However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
Wear suitable gloves and eye/face protection.
AVOID CONTACT WITH SKIN.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.
TAKE OFF IMMEDIATELY all contaminated clothing.
WHEN USING, DO NOT EAT, DRINK OR SMOKE.

DO NOT BREATHE SPRAY.
WASH HANDS AND EXPOSED SKIN, before eating, drinking or smoking and after work.
DO NOT HANDLE seed unnecessarily.

Environmental protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container. Avoid release to the environment. Refer to special instructions/safety data sheet.

Consumer protection

DO NOT USE TREATED SEED as food or feed.
DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
KEEP OUT OF REACH OF CHILDREN.
DO NOT RE-USE CONTAINER for any purpose.
This material and its container must be disposed of in a safe way.
Do not empty into drains.
WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank, and dispose of safely.
KEEP TREATED SEED SECURE from people, domestic stock and pets and wildlife at all times during storage and use.

To avoid risks to man and the environment, comply with the instructions for use.

Safety data sheet available for professional user on request. 06/09

This product is approved under the Plant Protection Regulations 1995.

INTER-TRADE AALBORG A/S
Halsvej 139
9310 Vodskov
Denmark
Tel: +45 98 93 89 77

Contents: **5 litres**
PROTECT FROM FROST
SHAKE THOROUGHLY BEFORE OPENING
Batch No:

145 mm